(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 28 July 2005 (28.07.2005)

(10) International Publication Number WO 2005/068641 A1

(51) International Patent Classification7:

C12N 15/867

(21) International Application Number:

PCT/GB2005/000115

(22) International Filing Date: 14 January 2005 (14.01.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0400814.0

14 January 2004 (14.01.2004) GB

- (71) Applicant (for all designated States except US): ARK THERAPEUTICS LTD. [GB/GB]; 1 Fitzroy Mews, London W1T 6DE (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): AHLROTH, Mervi [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). SCHENKWEIN, Diana [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). AIRENNE, Kari [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). YLA-HERTTUALA, Seppo [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI). LAITINEN, Olli [FI/FI]; A.I. Virtanen Institute, University of Kuopio, P.O. Box 1627, Fin-70211 Kuopio (FI).

- (74) Agent: GILL JENNINGS & EVERY; Broadgate House, 7 Eldon Street, London EC2M 7HL (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTEGRASE FUSION PROTEINS AND THEIR USE WITH INTEGRATING GENE THERAPY